

COLIAS CHRISTINA — ALEXANDRA INTERGRADATION

(Cover Illustration)

Hybridization between species of *Colias* has been shown to be a not uncommon phenomenon. In the case illustrated by the eight specimens on the cover photograph, the variation shown, ranging from full yellow at the upper left to the bright orange at the lower right, is from a population of *Colias christina—alexandra* complex from the Waterton Lakes area of Alberta, Canada. The specimens are from the Canadian National Collections in Ottawa, Ontario, Canada.

Populations of these *Colias* from the north and east of this locality are generally orange or orange-yellow in the male. Populations to the south and west of this location are generally yellow. The zone of intergradation of these *Colias* follows fairly generally the eastern escarpment of the Rocky mountains from the Yukon Territory to Montana with the orange to the north and east and the yellow to the south and west. Populations along this line consist of individuals of both color types and all intermediates.

A more complete discussion of the variation, and the interrelationships of North American *Colias* will be presented in the near future.

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